~~SECRET~~
SECURITY INFORMATION

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REPORT NO. [redacted] 50X1

COUNTRY Poland

DATE DISTR. 31 Aug. 53

SUBJECT 1. The YAK-9p Fighter
2. Landing Gear of the MIG-15

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NO OF PAGES 5

PLACE ACQUIRED [redacted]

NO OF ENCLS. 1 (LISTED BELOW)

DATE ACQUIRED [redacted]

SUPPLEMENT TO REPORT NO.

DATE OF IN [redacted]

THIS IS UNEVALUATED INFORMATION

SOURCE [redacted]

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1. The pre-flight check of the YAK-9p fighter was carried out as follows:

Prior to starting the engines, the pilot circled the aircraft, giving it a visual check. He checked the fuel tanks, gear, ailerons, and elevator, and made sure that the pitot cover and locks were removed. The cowling was removed from the engine and, as the mechanic operated various controls in the cockpit, the pilot looked for leaks from the lines to the engines. The cowling was then replaced and the pilot entered the aircraft. This check was SOP and was performed each morning as well as every time the aircraft was refueled. Because of very poor maintenance at the Pilots' Training School, the above check was also made before each flight.

2. The starting procedure was as follows:

The battery was switched on, the primer pumped, the propeller was pitched forward, the throttle was cracked, the engine compression air starter valve was opened, the booster coil energizing button was depressed, the magneto switch was turned to 1 plus 2 position, the throttle was worked until the engine started and the engine compression air starter valve was closed.

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3. The only check made just prior to the take-off was that of the magneto at 2,100 rpm. Although a 50 rpm magneto drop was the maximum allowable, the usual drop on each magneto was 150 rpm. However, since all the aircraft were in the same condition and the above was true for all aircraft, the pilots did not heed the rpm drop but flew the aircraft anyway. Otherwise they would not have obtained their necessary flying time. During the magneto check, the tail section had to be tied down or held down by three mechanics.

4. The YAK-9p needed the following distances for take-offs and landings:

Take-off:	380 m.
Landing, using brakes:	550 m.
Landing, not using brakes:	1,200 m.

5. The YAK-9p performed as follows at different power settings:

rpm's	M.P.*	Altitude	Speed	Range Radius	Time
1,600	unk.	1,000 m.	300 km./hour	635 km.	unk.
3,000	unk.	1,000 m.	555 km./hour	335 km.	1 hour plus 30

6. The landing gear system of the MIG-15 was operated by an electro-mechanical actuator. I have no further information.

* M.P. - Manifold pressure

ENCLOSURE:

A. Sketch, with Legend, of the Cockpit of the YAK-9p Fighter.

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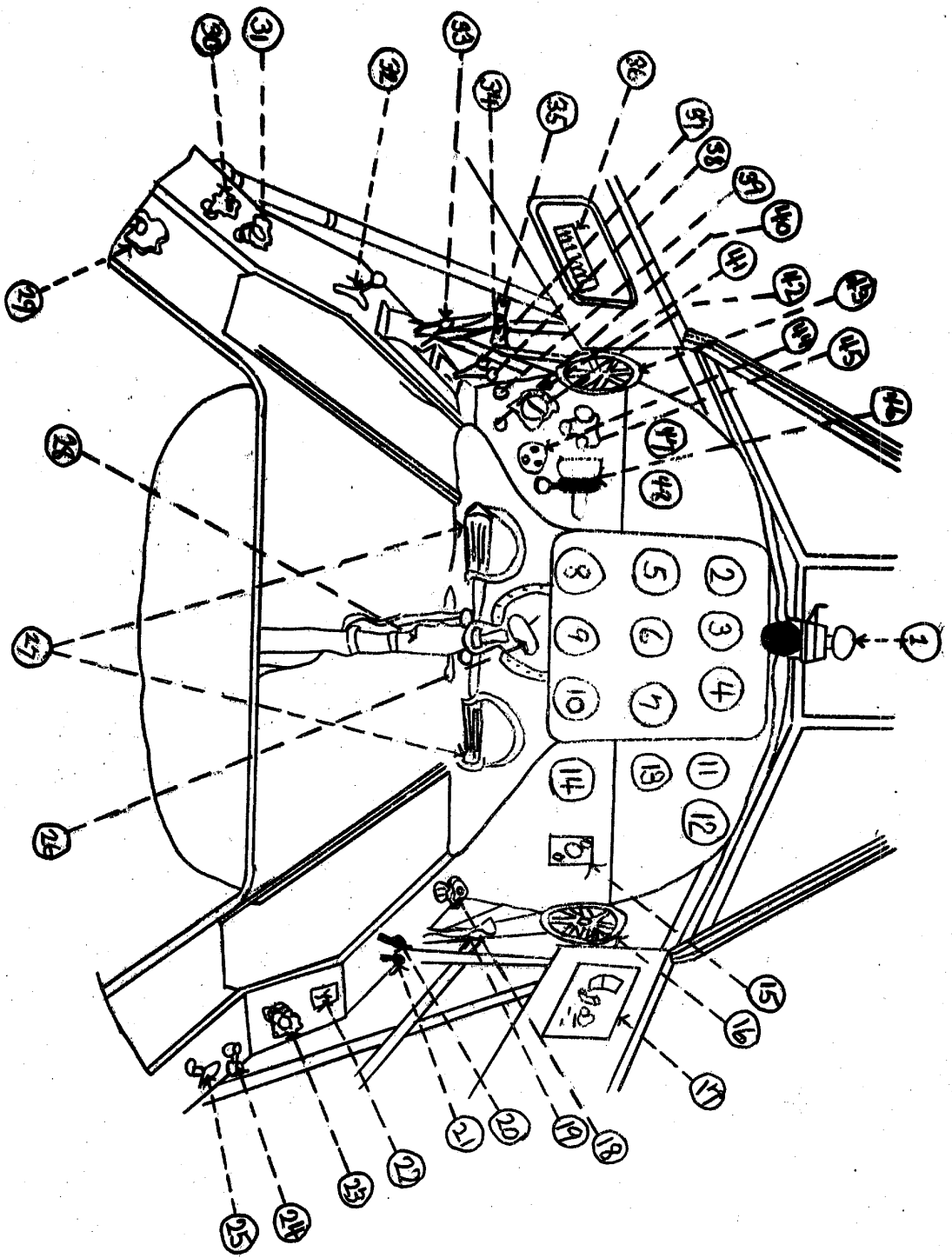
ENCLOSURE A.

Sketch of the Cockpit of the YAK-9p Fighter.



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ENCLOSURE A. (CONT'D)

LEGEND

Point # 1. Gun Sight
2. Altimeter
3. Compass
4. Clock
5. Air Speed Indicator
6. Turn and Bank Indicator
7. Rate of Climb Indicator
8. Tachometer
9. Radio Course Indicator
10. Manifold Pressure
11. Oxygen Pressure Gauge
12. Gun Sight Film Indicator
13. Reserve Oxygen Pressure Gauge
14. Oil Temperature; Oil and Fuel Pressure
15. Radio Receiver Control Panel, Type-RSI-6
16. Oil Cooler Regulator Control
17. Radio Compass Control Box
18. Engine Compression Air Starter Valve
19. Emergency Release for Locked Landing Gear
20. Electrical Coolant Regulator
21. Automatic Electrical Coolant Regulator
22. Radio Compass Indicator
23. Landing Gear Locking Valve
24. Oil Dilution Valve
25. Engine Primer
26. Gun Charging Handle
27. Rudder Pedals
28. Control Stick with Brake Lever and Gun Trigger
29. Oxygen Regulator Valve
30. Valve for Filling Oxygen Bottle
31. Valve for Filling Reserve Oxygen Bottle

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32. Flap Operating Valve
33. Mixture Control
34. Throttle
35. Propeller Pitch Control
36. Switch Panel with Eight Switches -- battery, radio, Pilot, gun circuit energizing, navigational lights, landing lights and instrument fluorescent lights.
37. Fuel Shut-off Lever
38. Supercharger Shift
39. Gun Sight Rheostat
40. Compass Indicator Light
41. Booster Coil Energizing Button
42. Magneto Switch
43. Elevator Trim Tab Control
44. Indicating Lights and Button for Landing Gear Position
45. Gun Charge Solenoid Energizing Buttons
46. Operating Valve for Hydraulic Landing Gear
47. Oxygen Pressure Gauge
48. Oxygen Flow Indicator